



## **ADDENDUM #1**

### **Gila County Bid No. 111311-1 Pine Creek Canyon Road Reconstruction Project**

*The following amendments are hereby incorporated into the bid documents for the above stated project:*

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January 31, 2012

#### **Questions & Answer / Corrections / Changes / Clarifications**

1. Correction to page number GP-2 within the Notification to Bidders section of the Bid Document:

**Item No. 9 is revised to read:**

#### **Request for Clarifications**

Requests for clarification shall be made to Ms. Valrie Bejarano ([vbejarano@co.gila.az.us](mailto:vbejarano@co.gila.az.us)) in writing via e-mail or fax (phone: 928-402-8612 fax: 928-425-8104) submitted no later than **Friday, February 3<sup>rd</sup> 10<sup>th</sup>, 2012 at 12:00 Noon**. A response will be issued to all plan holders no later than **Friday, February 10<sup>th</sup> 17<sup>th</sup>, 2012 at 2:00 P.M.**

2. Add the following Technical Specification to page T-1 of the Bid Document:

#### **108 COMMENCEMENT, PROSECUTION AND PROGRESS**

Commencement, Prosecution and Progress shall be in accordance with Section 108 of the MAG Standard Specifications unless modified herein.

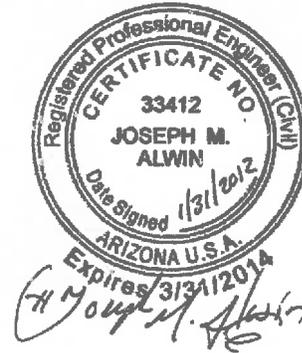
**108.4 Contractor's Construction Schedule:** add the following section:

##### **108.4.1 Construction Phasing:**

Phase I: The Contractor shall install all waterline elements prior to any roadway items, except as approved by the Engineer and shall carefully plan for and note that the placement of the watermain shall consider all final roadway and drainage improvements. The Contractor shall only remove that portion of the existing roadway to the minimum necessary limits required to install the waterline improvements. In addition, the Contractor shall construct all final improvements to Oak Leaf Circle (see plan sheets 13, 14 and 24) excluding the installation of the asphaltic concrete and friction course surfaces.

All major cross road culverts (see sheets 28 through 31) may be installed during Phase I at the discretion of the Contractor as approved by the Engineer.

Phase II: The Contractor shall install all remaining improvements within this project phase. If during installation of the roadway and all other remaining work, it is discovered that the watermain or other related waterline improvements are in conflict with the roadway as designed and shown within the plans, the contractor at no additional cost to the Owner, shall re-install/relocate the new waterline element(s) to the satisfaction of the Owner, Water Improvement District (PSWID) and/or the Arizona Department of Environmental Quality (ADEQ).





## **ADDENDUM #2**

### **Gila County Bid No. 111311-1 Pine Creek Canyon Road Reconstruction Project**

*The following amendments are hereby incorporated into the bid documents for the above stated project:*

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February 16, 2012

#### **Questions & Answer / Corrections / Changes / Clarifications**

1. Correction:
  - a. Replace page CPW-1 of the Bid Document with the revised Contract Performance Warranty page CPW-1R. The purpose for this revision is to address different warranty periods for portions of the work.
  
2. Correction:
  - a. The survey control information provided within the waterline improvement plans (dated November 15, 2011) shall be disregarded. The survey control to be used for the installation of all waterline system elements shall be as included within this addendum.
  
3. Correction:
  - a. Where the roadway improvement plans call for Asphalt Concrete Friction Course, such shall be per ADOT Standard Specification 411. Sheet 3 of the plans states ADOT 414 for Pavement Section No.1 incorrectly shows the ACFC as per ADOT 414 and shall be corrected to ADOT 411.
  
4. Correction:
  - a. Replace pages BS-2, BS-3 and BS-4 of the Bid Document with the revised cost summary break down roadway items pages BS-2R, BS-3R and BS-4R, respectively.
  
5. Clarification:
  - a. The roadway improvement plans titled CONSTRUCTION IMPROVEMENT PLANS FOR PINE CREEK CANYON ROAD (herein to be referred to as the "roadway improvement plans") and the waterline improvement plans titled WATERMAIN REPLACEMENT PLANS FOR PINE CREEK CANYON ROAD (herein to be referred to as the "waterline improvement plans") are considered together as part of the Bid Document for this project.
  
6. Clarification:
  - a. Per page T-6 of the Bid Document, Section 925, the Contractor is required to provide to the owner a set of separate As-Built drawings (bid item 925, page BS-4, for the roadway improvement plans) (bid item 31, page BS-6, for the waterline improvement plans). As-built drawings of the waterline improvement plans shall

be submitted to the PSWID; as stated within the waterline construction specifications, note 13, as shown on sheet 3 of the waterline improvement plans.

7. Clarification:

- a. Per page T-4 of the Bid Document, Section 701-3.08, **Changeable Message Board**, the Contractor is required to provide two changeable message boards to be placed in a location as determined by the Owner.

8. Clarification:

- a. Delays of construction due to conflict resolution by utility company owners shall result in an equal extension of the construction time, where necessary.

9. Clarification:

- a. Waste material resulting from construction activities may be disposed of at the Buckhead Landfill (Owner is Gila County) based on the following information/requirements:
  - i. Location: From the intersection of State Route 87 and Pine Creek Canyon Road, south 5 miles along State Route 87 to the Buckhead Mesa Landfill access road, turn east, proceed 1 mile to the landfill.
  - ii. Hours of Operation: 8:00 a.m. to 4:00 p.m., 6 days a week, closed Sundays and County Holidays.
  - iii. Earthen waste = no charge
    1. Broken asphalt pavement included within the earthen waste is acceptable.
  - iv. All other waste materials, including vegetation = \$47.03/ton
    1. Asbestos pipe shall be wet down and bagged prior to delivery to the landfill and placed in a separate location within the landfill as directed by the Owner.
  - v. For additional information/requirements: contact Gila County Public Works Recycling and Landfill Management (928) 402-8531.

10. Clarification:

- a. The survey control to be used for all portions of the work is:
  - i. Northing 9837.715, Easting 11492.238, Elevation 5555.48, Description C7-MAG NAIL w/ SHINER-SR87
  - ii. Northing 9772.750, Easting 12352.672, Elevation 5590.51, Description C6-MAG NAIL-WAPITI MEADOWS
  - iii. Northing 9761.071, Easting 13191.886, Elevation 5592.58, Description C5-MAG NAIL-HIDDEN PINES
  - iv. Northing 9652.607, Easting 14827.180, Elevation 5682.68, Description C3-MAG NAIL-CEDAR MEADOWS
  - v. Northing 8952.060, Easting 15982.135, Elevation 5670.49, Description C1-MAG NAIL-NORTH END
  - vi. Northing 9828.619, Easting 14077.478, Elevation 5650.40, Description C4-MAG NAIL-N. OF S. PORTAL

- vii. Northing 9381.963, Easting 15499.634, Elevation 5690.76, Description C2.5-MAG NAIL-N. OF OAK LEAF
- viii. Northing 9037.990, Easting 15902.806, Elevation 5673.95, Description C2-PK NAIL-BETWEEN C1 & C2.5

11. Clarification:

- a. Per page T-1 of the Bid Document, Section 109, **Force Account Work**, all necessary force account work and costs associated with thereof shall be performed in accordance with ADOT Standard Specification Section 109.

12. Clarification:

- a. Per page GP-32, Section 70-02, **Permits, Licenses and Taxes**, the contractor is responsible for obtaining all necessary permits including but not limited to all work within rights-of-way under the jurisdiction of the Arizona Department of Transportation (e.g., intersection with State Route 87).

13. Clarification:

- a. Construction water for this project is not available from the Pine-Strawberry Water Improvement District (PSWID). Water is available, at no cost to the Contractor, from the PSWID for waterline testing only. All other water needed for construction of the project is the responsibility of the contractor.

14. Clarification:

- a. Where right-of-way or easement for construction of driveway improvements is not available the Contractor shall end the improvements at the existing right-of-way boundary.

15. Clarification:

- a. Where the installation of the waterline and all related connections, services, laterals...etc. is done within existing pavement, the existing pavement shall be sawcut and removed of properly.

16. Clarification:

- a. Where encroachment into adjacent private property is required to the limits as shown within the plans, all coordination with the affected landowner shall be done by the Owner or his authorized representative.

17. Clarification:

- a. The installation of single and double waterline service connections shall be as per the enclosed detail.

18. Question: If County is responsible for quality control and it doesn't pass who will be responsible to pay for the re-test and who will pick the contractor to perform the test?

Answer: The Contractor shall be responsible for all costs related to material testing (excludes the initial test) that are found not to meet the requirements of the project as

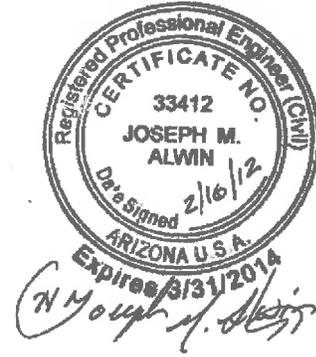
stated within plans and/or specifications. The re-testing company shall be determined by the Contractor and approved by the Owner prior to material being submitted for testing.

19. Question: What is the old pipe-line made of?  
Answer: The waterline owner: Pine-Strawberry Water Improvement District states that, in general, the existing waterline consists of 6-inch diameter asbestos cement pipe (no definitive percent, length or amount is provided or implied by this opinion and Gila County makes no claim or warranty to the validity of this statement by the utility Owner). There are portions where the material type is PVC.
20. Question: What will the contractor do with the old pipe-line if it contains asbestos?  
Answer: The Contractor is responsible for complying with all state and federal requirements for removal, handling and disposal of the old pipeline. Also See Item 9 above.
21. Question: Will construction water be available?  
Answer: See Item 13 above.
22. Question: Will private individuals provide water at cost to contractor?  
Answer: The Owner offers no opinion as to if private individuals can provide water to the Contractor. The Contractor shall be responsible for all construction water. Also see Item 13 above.
23. Question: Is there a soils report available?  
Answer: Per General Note 10, Sheet 2 of 42 of the roadway improvement plans there is not a soil report available for this project.
24. Question: Will contractor need to provide message board and if so where will it need to be placed?  
Answer: See Item 7 above.
25. Question: What is the engineer's estimate?  
Answer: As stated during the Pre-Bid Conference it is the opinion of the engineer that the overall cost of construction (roadway and waterline systems) is approximately \$2,100,000.
26. Question: When switching to new water line how long will it take and what is the schedule?  
Answer: See Addendum No.1
27. Question: What is the ACFC specification?  
Answer: See Item 3 above.
28. Question: Are the stock pile quantities correct?  
Answer: No estimate of "stock pile" quantities are stated or implied by the documents provided for this project. Estimates of excavation, fill, embankment...et.al. are shown within the plans and are accurate. If during construction the Contractor believes differences between the plan stated quantities and actual construction quantities exist, then the Contractor shall refer to Bid Document for the required procedure(s).

29. Question: What will happen if there is a major utility relocate and if this happens will the construction schedule be extended?  
Answer: See Item 8 above.
30. Question: Does the County have any need for export material and if so where would it go?  
Answer: All construction debris, waste...etc. shall become the property of the Contractor. The Owner has an available landfill for materials meeting the requirements as stated within Item 9 above.
31. Question: Can the asphalt go to the county landfill and if so will there be any fees?  
Answer: Asphaltic pavement that is sufficiently broken up and mixed into other earthen waste material is acceptable to the Owner's landfill. See Item 8 above for additional information. Asphaltic pavement that is delivered to the Owner's landfill separately than discussed above shall be considered as waste material subject to disposal fee per Item 8 above.
32. Question: What is the address of the landfill?  
Answer: See Item 8 above.
33. Question: Will the landfill except brush and if so at what is the dump fee?  
Answer: See Item 8 above.
34. Question: Who will supply water to test lines?  
Answer: See Item 13 above.
35. Question: Will the shut down for water lines switch all at once or be done in 2 phases?  
Answer: See Addendum No.1
36. Question: What will the driveability be like on the road for residence and what type of plating will contractor need to have down?  
Answer: See Addendum No.1
37. Question: At end of each work day what condition will the road need to be in?  
Answer: See Addendum No.1 and the Bid Document requires as it relates to Responsibility to the Public.
38. Question: Who will address residence concerns during construction?  
Answer: See Item 16 above.
39. Question: Who will address residence issues with vegetation and walls?  
Answer: See Item 16 above.
40. Question: Will County be working with citizens and contractors to make sure all issues are resolved?  
Answer: See Item 16 above.

41. Question: Will it be acceptable to place millings from the existing roadway on the unpaved section of roadway?

Answer: Millings produced from the removal of asphalt pavements shall only be permitted to be incorporated into the subgrade and/or fill material provided such material meets with all requirements as stated within the plans and specifications.



**GILA COUNTY**  
**CONTRACT PERFORMANCE WARRANTY**

I, \_\_\_\_\_, representing  
\_\_\_\_\_ (company name)

do hereby warranty the work performed for the waterline (as shown within the Verde Engineering Plans dated November 15, 2011) of the following overall project:

**PINE CREEK CANYON ROAD RECONSTRUCTION PROJECT, PINE, ARIZONA,**

for a period of **one (1) year** from completion and acceptance by the PSWID and ADEQ of said work.

and do hereby warranty all other work performed for:

**PINE CREEK CANYON ROAD RECONSTRUCTION PROJECT, PINE, ARIZONA,**

for a period of **two (2) years** from completion of said work.

Said work shall be free from defects which would cause the work not to perform in it's intended manner.

\_\_\_\_\_  
**(Officer, Partner, Owner)**

\_\_\_\_\_  
**Date**

## BIDDING SCHEDULE

Firm Name: \_\_\_\_\_

### COST SUMMARY BREAK DOWN ROADWAY ITEMS

ITEM	DESCRIPTION	UNIT	ESTIMATED QUANTITIES	UNIT PRICE	EXTENDED AMOUNT
109	Force Account Work	L.S.	1	\$100,000	\$100,000
201.1	Clearing and Grubbing	L.S.	1		
202.1	Remove Misc. Structures and Obstructions	L.S.	1		
203	Earthwork	L.S.	1		
211	Fill Construction	L.S.	1		
301	Subgrade Preparation	S.Y.	16,440		
310	Aggregate Base Course - ADOT Class II	C.Y.	3,234		
321	Asphaltic Concrete - MAG	Ton	3,693		
340.1	Concrete Driveway	S.F.	1,762		
340.2	Concrete Headwall, ADOT B-11.11, for Limited S.D.	EA.	1		
340.3	Concrete Headwall, ADOT B-11.11, for (2) 42" CMPA	EA.	1		
340.4	Concrete Wall*	S.F.	192		
340.5	Concrete Half-Barrier, ADOT Std. Dtl., C-10.50	L.F.	96		
340.6	Concrete Half-Barrier Transition, ADOT Std. Dtl., C-10.75	L.F.	40		
340.7	Concrete Ribbon Curb (MAG 220-1, Type C)	L.F.	71		
405	Survey Monument	EA.	22		
411	Asphaltic Concrete Friction Course	Ton	385		

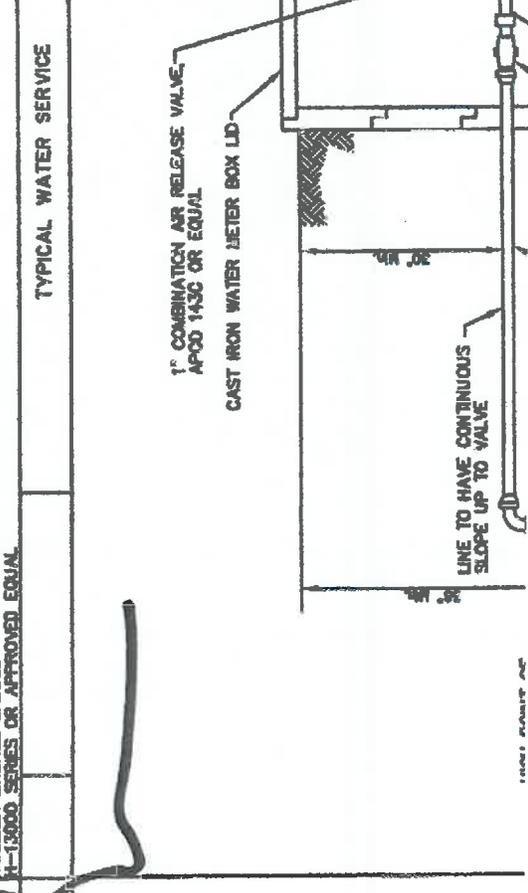
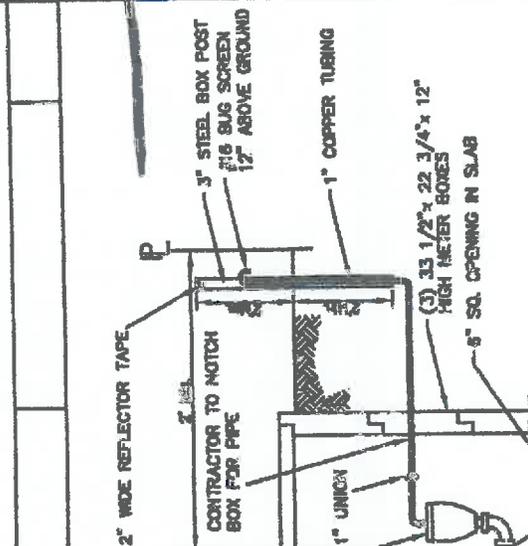
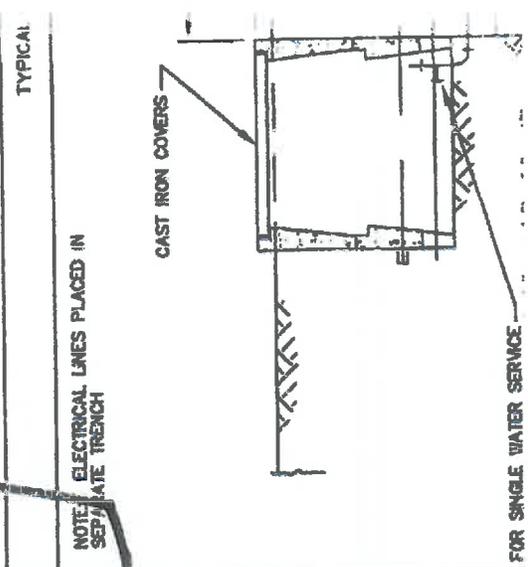
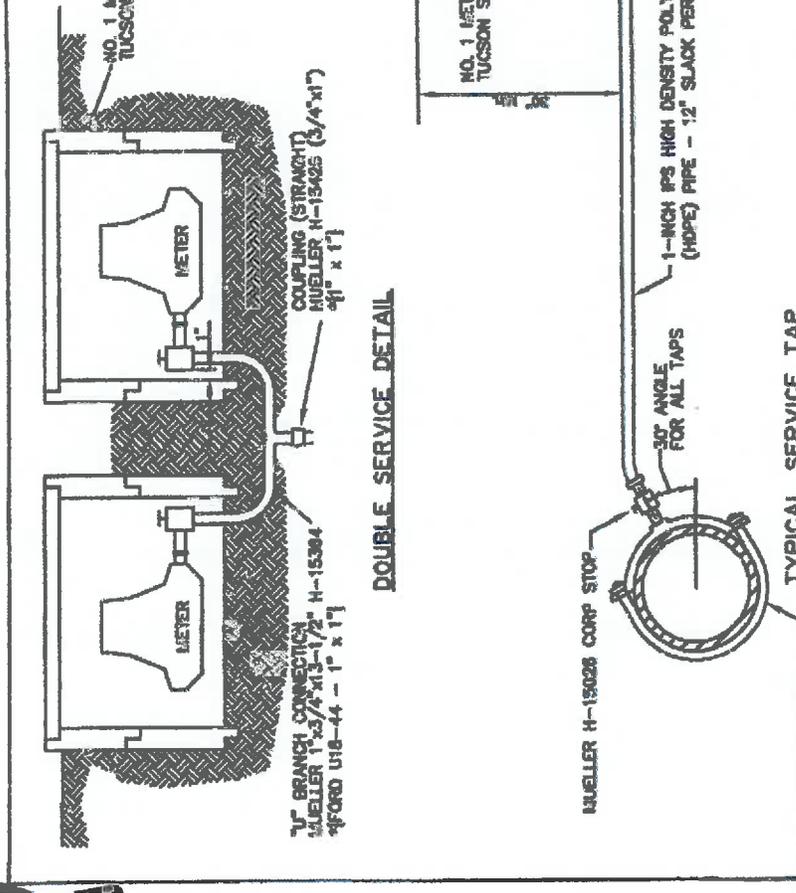
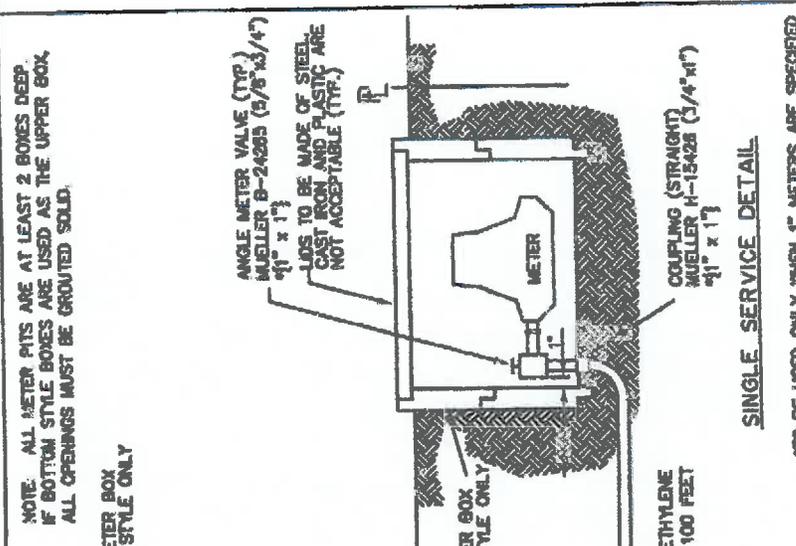
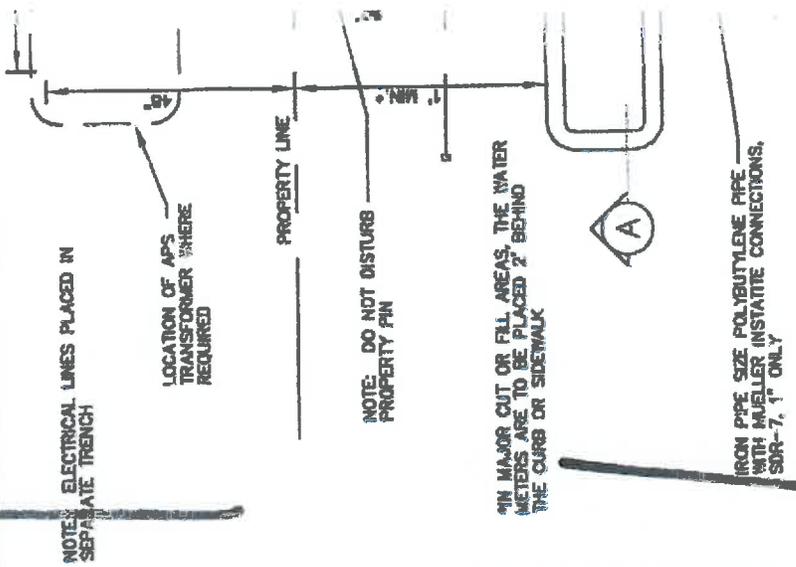
**COST SUMMARY BREAK DOWN ROADWAY ITEMS** *continued*

ITEM	DESCRIPTION	UNIT	ESTIMATED QUANTITIES	UNIT PRICE	EXTENDED AMOUNT
501	Cement Treated Slurry	C.Y.	45		
511	Keystone Wall, Compact II Block*	S.F.	1,950		
607.1	New Sign Panel, STOP, R1-1, 36"x36"	EA.	1		
607.2	New Sign Panel, STOP, R1-1, 30"x30"	EA.	5		
607.3	New Sign Panel, HILL BLOCKS VIEW, W7-6, 30"x30"	EA.	2		
607.4	New Sign Panel, 20 MPH, W13-1, 24"x18"	EA.	4		
607.5	New Sign Panel, 15 MPH, W13-1, 24"x18"	EA.	1		
607.6	New Sign Panel, SPEED LIMIT 25, R2-1, 24"x30"	EA.	3		
607.7	New Sign Panel, winding road symbol, W1-5, 30"X30"	EA.	2		
607.8	New Sign Panel, roadway turn symbol, W1-1L, 30"X30"	EA.	1		
607.9	New Sign Post and Foundation - ADOT S-1 (non-slip)	EA.	15		
621.1	Pipe, Corrugated Metal, 12"	LF	75		
621.2	Pipe, Corrugated Metal, 15"	LF	806		
621.3	Pipe, Corrugated Metal, 24"	LF	160		
621.4	Pipe, Corrugated Metal, 42"	LF	88		
621.5	Pipe, Corrugated Metal, 28"x20"	LF	199		
621.6	Pipe, Corrugated Metal, 49"x29"	LF	48		
621.7	Pipe, UltraFLO, 18"	LF	225		
621.8	Flared Metal End Section, 24", ADOT Std. Dtl. C-13.25	EA.	2		
708.1	Permanent Pavement Marking (Painted)(White)(4" Equiv)	LF	63		

**COST SUMMARY BREAK DOWN ROADWAY ITEMS** *continued*

ITEM	DESCRIPTION	UNIT	ESTIMATED QUANTITIES	UNIT PRICE	EXTENDED AMOUNT
708.2	Permanent Pavement Marking (Painted)(Yellow)(4" Equiv)	LF	13,751		
708.9	Maintenance and Protection of Traffic	L.S.	1		
810	Erosion Control and Pollution Prevention (SWPPP)	L.S.	1		
901	Mobilization	L.S.	1		
903.1	Dumped Rock RipRap, D50=9"	C.Y.	800		
903.2	Gabion Mattress	C.Y.	28		
905.1	Guardrail	LF	13		
905.2	Guardrail, End Terminal, ET-PLUS	EA.	5		
905.3	Guardrail, End Anchor, ADOT Std. Dtl. C-10.08	EA.	1		
925	Construction Survey and Layout and As-builts	L.S.	1		
<b>Total Base Bid Roadway</b>					

\*wall items are measured in square foot face of wall





### **ADDENDUM #3**

**Gila County Bid No. 111311-1**

**Pine Creek Canyon Road Reconstruction Project**

*The following amendments are hereby incorporated into the bid documents for the above stated project:*

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February 28, 2012

#### **Changes / Clarifications**

1. Change:

- a. Page T-3, Section 321 of the Technical Specifications is revised to read as follow:

#### **321 ASPHALT CONCRETE PAVEMENT**

Asphaltic Concrete Pavement shall be in accordance with Section 321 of the MAG Standard Specifications unless modified herein. The pavement structural section (upper section) shall require two separate 2-inch lifts (i.e., layers).

**321-13 Payment:** add the following:

The term "bituminous material" as used herein shall include asphalt cement, liquid asphalt, and emulsified asphalt.

The contract unit price for each item of bituminous material will be considered to include all costs for furnishing, hauling, handling, spreading, and mixing of the material as required, including the "initial cost" of bituminous material, but excluding any difference in the cost of bituminous material that occurs between the date of bid opening and the date that the material is used on the project.

A cost for bituminous material will be determined monthly by the Arizona Department of Transportation (herein referred to as the "Department") based on the selling prices of asphalt cement published by the Asphalt Weekly Monitor, a publication of Poten & Partners, Inc. The cost will be the arithmetic average of the high and low selling prices for asphalt cement shown in the previous four reports for the Arizona/Utah and Southern California regions.

This cost will be deemed the "initial cost" (IC) for bituminous material for projects on which bids are opened during the following month. This cost will also be deemed the "current price" (CP) for bituminous material for the following month for projects in construction.

This value will be made known by means of a memorandum issued on the last Wednesday of each month issued by Gila County.

For each item of bituminous material for which there is a specific pay item, and for the bituminous material used in Asphaltic Concrete items (pavement and friction course), an adjustment will be made as follows for each month that a quantity of bituminous material was used on the project.

The "initial cost" (IC) for the month in which the project was bid will be compared with the "current price" (CP) as specified above for the appropriate current month. The "current price" (CP) will be as shown in the memorandum issued on the last Wednesday of each month, and will be used to adjust costs for bituminous material incorporated into the job during the following month (for example; bituminous material used in May will be adjusted, as specified herein, based on the "current price" (CP) for May as shown in the memorandum issued on the last Wednesday of April). Any difference in price between these two values will be applied to the quantity of eligible bituminous material incorporated into the work.

Determination of the eligible quantities of bituminous material will be based on contractor furnished- invoices, except as modified below.

The tons of emulsified products to which the adjustment will be applicable will be the tons of the emulsified bituminous asphalt prior to dilution.

Adjustments in compensation for emulsified asphalts will be made at 60 percent of either the increase or decrease.

The tons of bituminous material incorporated in Asphaltic Concrete items (pavement and friction course) to which an adjustment will be applicable will be considered to equal five percent of the quantity, measured in tons, of Asphaltic Concrete items (pavement and friction course) placed, regardless of the actual percentage of bituminous material incorporated into the mix. If the quantity of Asphaltic Concrete items (pavement and friction course) is measured by volume, the supplemental agreement establishing the method of measurement will specify the manner in which the tons of asphalt cement eligible for the adjustment are determined.

The tons of bituminous materials which are paid for on the basis of testing by nuclear asphalt content gauge, ignition furnace, or other approved methods to which the adjustment will be applicable, are the tons which have been incorporated into the mixture.

No additional compensation will be made for any additional or increased charges, costs, expenses, taxes, etc., which the contractor may have incurred since the time of bidding and which may be the result of any increase in the "initial cost" of bituminous material.

Adjustment in unit prices of items governed by this provision will be made in the next regular monthly progress payment following actual use or application of the bituminous material.

Any adjustment in compensation made for bituminous material incorporated into the work after the expiration of the specified completion time set forth in the contract, or as may be extended in accordance with the provisions of bid document, will be on the basis of the price of bituminous material shown in the memorandum applicable on the date of the expiration of the specified completion time, as hereinbefore specified.

